

**Appropriations Subcommittee**

Energy and Water

**Requesting Organization**

Veeco Instruments

4900 Constellation Drive

Saint Paul, MN 55127

**Purpose of Request**

With Congressional support, Veeco Instruments in St. Paul, MN will be able to speed up the development of its second generation manufacturing tools for thin-film solar panels called CIGS. CIGS technology was pioneered by the U.S. National Renewable Energy Lab and has the highest conversion efficiency of turning sunlight into electricity compared to other solar panel technologies. The limitation of mass production of CIGS panels is the lack of advanced manufacturing equipment. Governments in Europe and Asia are funding Veeco's international competitors for research and development of next-generation manufacturing technologies for CIGS. Veeco currently has the leading technology for CIGS manufacturing, and federal support, matched by Veeco, will allow the company to expedite its research process to introduce next generation manufacturing technologies within the next year.

**Amount Requested**

\$2,000,000